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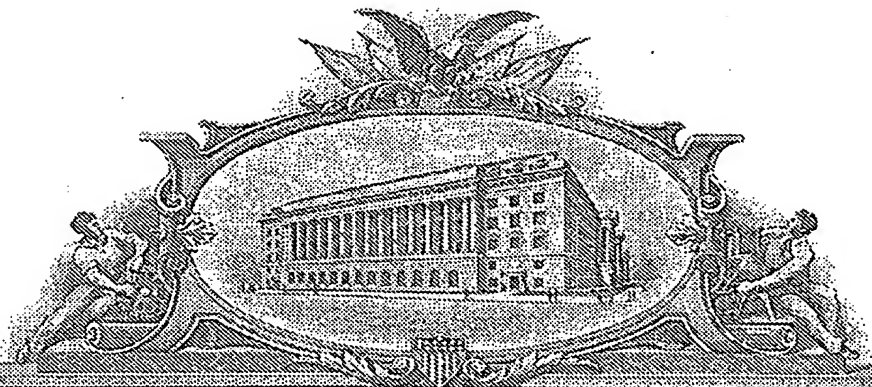
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# THE UNITED STATES OF AMERICA

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**APPLICATION NUMBER: 60/522,763**

**FILING DATE: November 04, 2004**

**RELATED PCT APPLICATION NUMBER: PCT/US05/40029**

**THE COUNTRY CODE AND NUMBER OF YOUR PRIORITY APPLICATION, TO BE USED FOR FILING ABROAD UNDER THE PARIS CONVENTION, IS US60/522,763**



Certified by

Under Secretary of Commerce  
for Intellectual Property  
and Director of the United States  
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<b>APPLICATION DATA SHEET</b>
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Electronic Version v14

Stylesheet Version v14.0

<b>Title of Invention</b>	SilentKnight
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<b>Application Type :</b>	provisional, utility
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<b>TRANSMITTAL</b>
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Electronic Version v1.1

Stylesheet Version v1.1.0

<b>Title of Invention</b>	SilentKnight							
Application Number : Date : First Named Applicant: Harold E. Cutler Confirmation Number: Attorney Docket Number:								
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<table border="1"><tr><td>Submitted By:</td><td>Elec. Sign.</td><td>Sign. Capacity</td></tr><tr><td>Harold E. Cutler Registered Number: 42357</td><td>/Harold E. Cutler/</td><td>Inventor</td></tr></table>			Submitted By:	Elec. Sign.	Sign. Capacity	Harold E. Cutler Registered Number: 42357	/Harold E. Cutler/	Inventor
Submitted By:	Elec. Sign.	Sign. Capacity						
Harold E. Cutler Registered Number: 42357	/Harold E. Cutler/	Inventor						

Documents being submitted:	Files
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claims-pdf	ABX-clms.pdf
description-pdf	ABX-desc.pdf
drawings-pdf	ABX-draw.pdf
Comments	

## SilentKnight

### DESCRIPTION

**[Para 1]** A mouthpiece similar to that on a snorkel which keeps the unit in place. A vinyl tube extending through the mouthpiece and back to the soft palate is cut on an upward angle from anterior (within the mouth) to posterior to provide diffusion of airflow and reduce intrusiveness of the unit. There is an elastic retaining strap connected on both sides of the unit outside of the mouth and extending around the back of the head to secure the unit during sleep.

**[Para 2]** The posterior end of the unit is inserted into the mouth with the mouthpiece between the teeth. The vinyl tube extending through the mouthpiece and fit so that the posterior, cut end of the tubing presses into and lifts the soft palate tissue pinning it against the back of the throat. This makes vibration of the soft tissue impossible eliminating snoring, and keeps the soft tissue from closing against the front of the throat which prevents occlusion and apnea. The wearer breathes through the mouth as when properly fit, the nasal passage will be obstructed when the soft tissue is pinned against the back of the throat. The tubing does not enter the throat and does not trigger the gag reflex.

**[Para 3]** A smaller version using an impression to create a plate that can be affixed to the roof of the mouth with adhesive and having a movable lip, which can be positioned posterior to lift the soft palate tissue, or anterior to be in an inert position which will not affect speech or food consumption. Depending on the adhesive used, it can be inserted in the evening and taken out in the morning, or worn for several days without detection.

**What is claimed is:**

**[Claim 1]** Gently lifts the soft palate, preventing it from vibrating or closing against the throat tissue while providing a breathing tube for respiration.

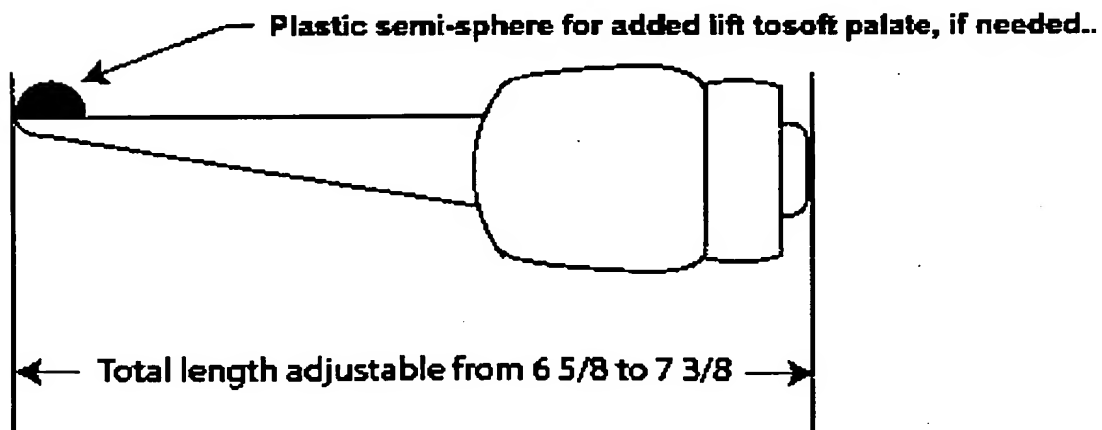
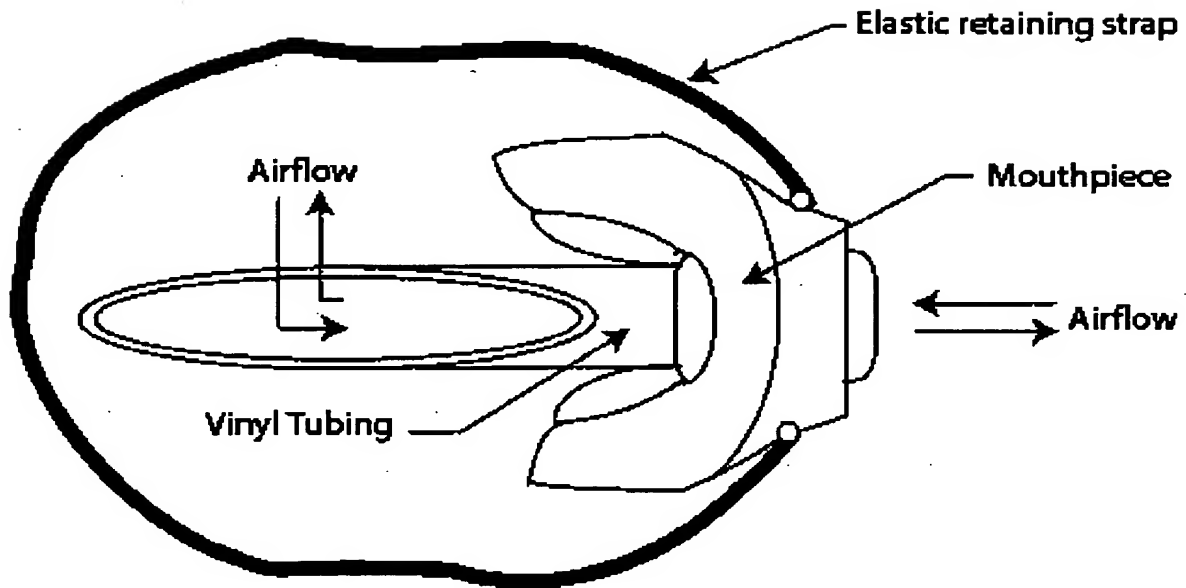


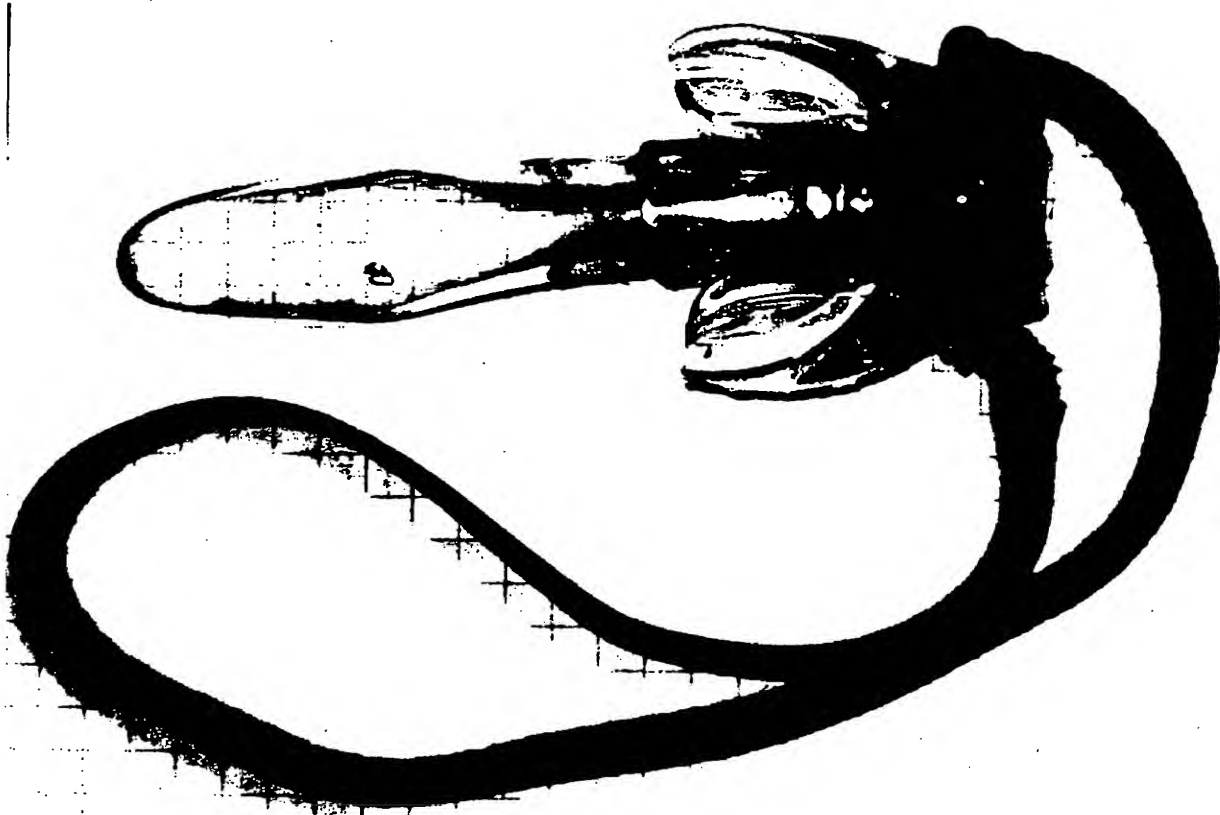
## **ABSTRACT**

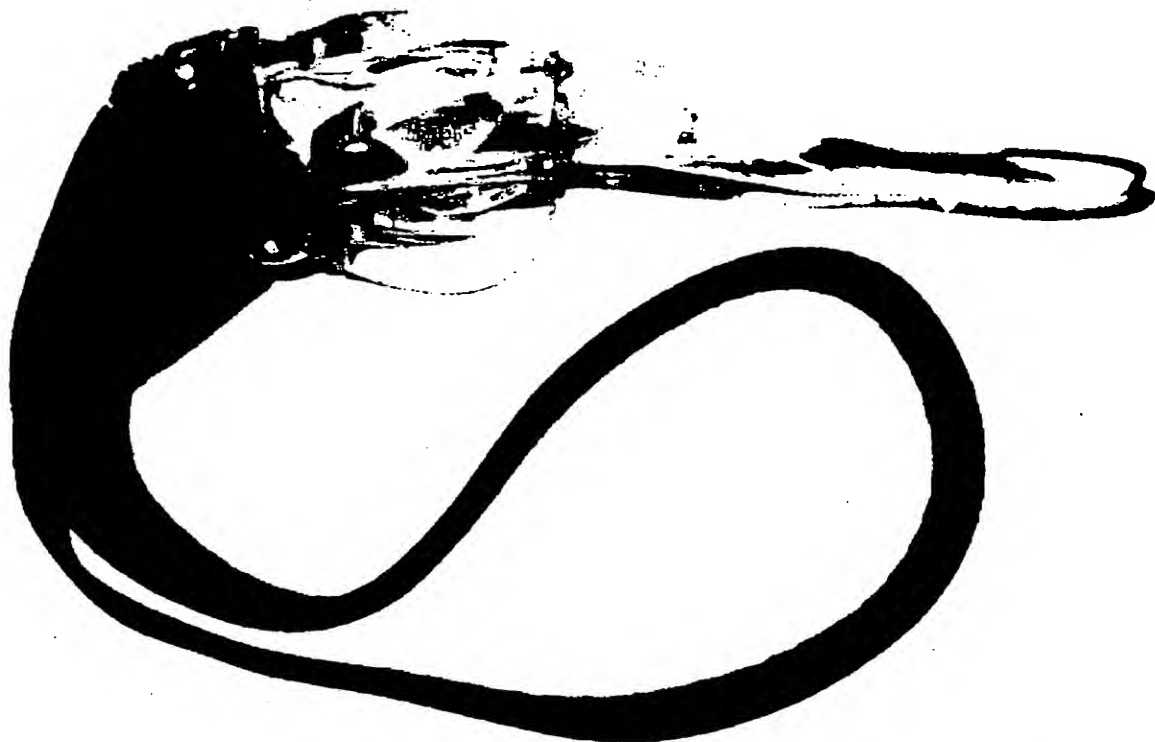
**Relieves snoring and apnea caused by upper respiratory occlusion.**

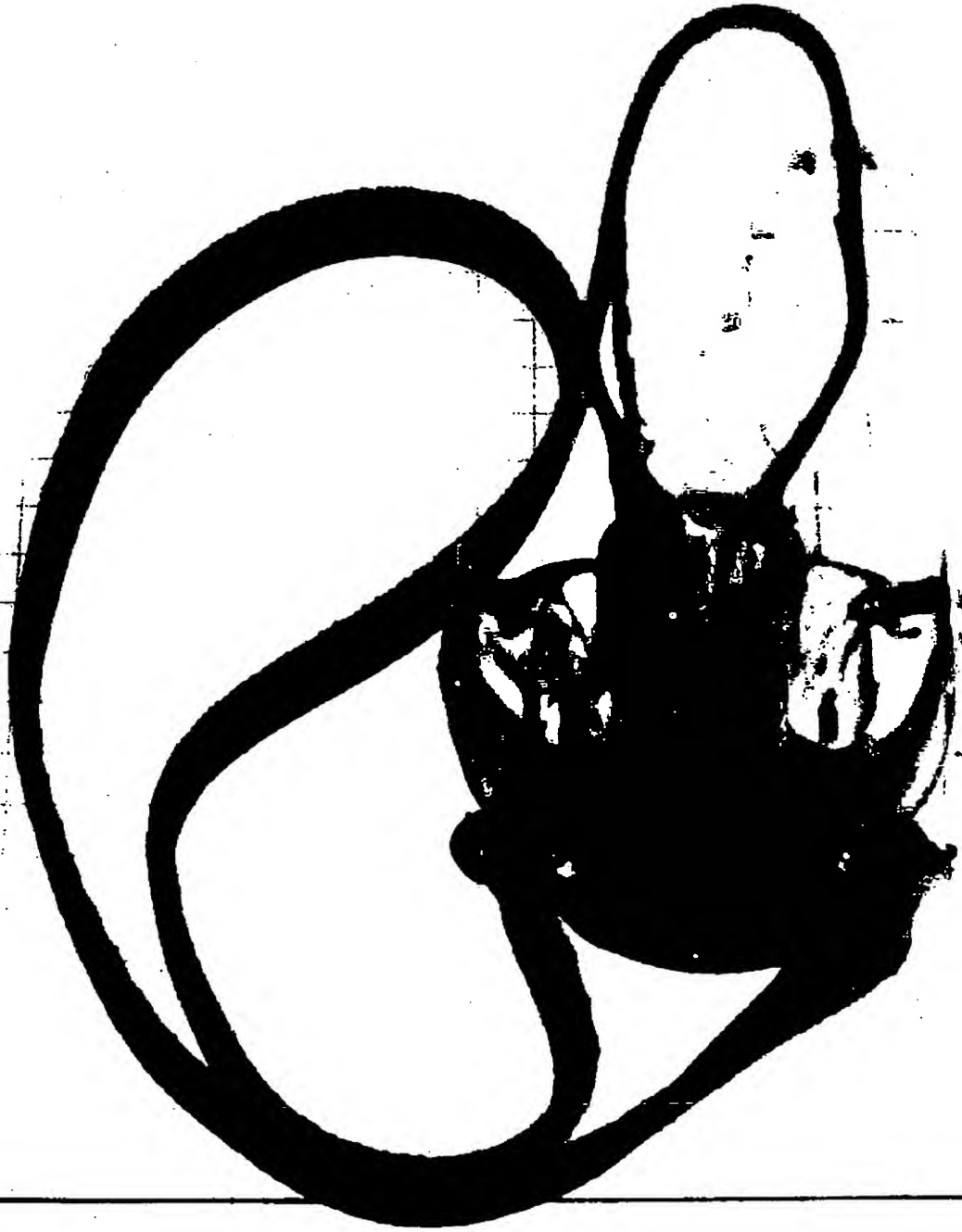
# SilentKnight

Harry Cutler  
March 10, 2004











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